On page 2, line 14, please delete "factor-receptorcomplex" and substitute therefor --factor-receptor complex--.

On page 4, line 15, please delete "complimentary" and substitute therefor --complementary--.

Please delete all text from page 5, line 16 through page 7, line 14 and substitute therefor

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--Fig. 1 shows a characteristic fragment produced by Eco RI restriction of the cloned gene of the present invention: the restriction-site map of λMAC117 and plasmid pMAC117. A: Acc I; B: Bam HI; Bg: Bgl I; N: Nco I; R: Eco RI; X: Xba I; Xh: Xho I. The sites were located by electrophoretic analysis of the products of single and double digestion. Regions homologous to v-erbB or human repetitive sequences (region flanked by arrows) were located by Southern blot hybridization (Southern, *J. Mol. Biol.* **98**:503 (1975)), with the v-erbB probe or total human DNA made radioactive by nick translation (Rigby *et al., J. Mol. Biol.* **113**:237 (1977)). Hybridization conditions were as described in Fig. 2. The nucleotide sequence of pMAC117 between the Acc I site and the Nco I sites and regions of encoded amino acid sequence homologous to the EGF receptor are shown. The AG or GT dinucleotides flanking the putative coding regions are underlined. To determine the sequence, Nco I, Hinf I and Sau 96 I fragments were labeled at the 3' termini by means of a large fragment of *E. coli* DNA polymerase, separated into single strands by gel electrophoresis and chemically degraded (Maxam *et al., Proc. Natl. Acad. Sci.*, USA **74**:560 (1977)).

Fig. 2 shows the gel electrophoretic properties of specific gene fragments; detection of v-erbB- and pMAC117-specific gene fragments in normal human placenta, A431 cells or human mammary carcinoma MAC117. DNA (15 μg) was cleaved with Eco RI, separated by electrophoresis in agarose gels and transferred to nitrocellulose paper (Southern, *J. Mol. Biol.* **98**:503 (1975)). Hybridization to the ^{32}P-labeled probe (Rigby *et al.*, *J. Mol. Biol.* **113**:237 (1977)) was conducted in a solution of 40 percent formamide, 0.75M NaCl and 0.075M sodium citrate at 42°C (Wahl *et al.*, *Proc. Natl. Acad. Sci.*, USA **76**:3683 (1979)). The v-erbB probe (A) was a mixture of the 0.5-kbp Bam HI-Bam HI fragment and the 0.5-kbp Bam HI-Eco RI fragment of avian erythroblastosis proviral DNA. The pMAC117 probe (B) was a 1-kbp Bgl I-Bam HI fragment. After hybridization, the blots were washed first in 0.3M NaCl plus 0.03M sodium citrate at room temperature and then in 0.015M NaCl, 0.0015M sodium citrate and 0.1 percent sodium dodecyl sulfate at 42°C (v-erbB probed blots) or at 52°C (pMAC117 probed blots). Hybridization was detected by autoradiography.--

On page 8, after line 12 and before line 13, please insert the following: --As disclosed in Ullrich et al. (1984), the nucleotide sequence of the EGF receptor gene is:

GCCGCGCTGCGCCGGAGTCCCGAGCTAGCCCCGGCGCCGCCGCCGCCCAGACCGGAC

GACAGGCCACCTCGTCGGCGTCCGCCCGAGTCCCCGCCTCGCCGCCAACGCCACAAC

CACCGCGCACGGCCCCCTGACTCCGTCCAGTATTGA

TCGGGAGAGCCGGAGCGAGCTCTTCGGGGAGCAGCGATGCGACCCTCCGGGACGGC

CGGGGCAGCGCTCCTGGCGCTGCTGGCTGCGCTCTGCCCGGCGAGTCGGGCTCTGGAGGAAAA

ACGCAGTTGGGCACTTTTGAAGATCATTTTCTCAGCCTCCAGAGGATGTTCAATAACT

GTGAGGTGGTCCTTGGGAATTTGGAAATTACCTATGTGCAGAGGAATTATGATCTTT

CCTTCTTAAAGACCATCCAGGAGGTGGCTGGTTAT

GTCCTCATTGCCCTCAACACAGTGGAGCGAATTCCTTTGGAAAACCTGCAGATCATC

AGAGGAAATATGTACTACGAAAATTCCTATGCCTTAGCAGTCTTATCTAACTATGATG

CAAATAAAACCGGACTGAAGGAGCTGCCCATGAGA

AATTTACAGGAAATCCTGCATGGCGCCGTGCGGTTCAGCAACAACCCTGCCCTGTGC

AACGTGGAGAGCATCCAGTGGCGGGACATAGTCAGCAGTGACTTTCTCAGCAACATG

TCGATGGACTTCCAGAACCACCTGGGCAGCTGCCAA

AAGTGTGATCCAAGCTGTCCCAATGGGAGCTGCTGGGGTGCAGGAGAGGAGAACTG

CCAGAAACTGACCAAAATCATCTGTGCCCAGCAGTGCTCCGGGCGCTGCCGTGGCAA

GTCCCCCAGTGACTGCTGCCACAACCAGTGTGCTGCA

GGCTGCACAGGCCCCCGGGAGAGCGACTGCCTGGTCTGCCGCAAATTCCGAGACGAA

GCCACGTGCAAGGACACCTGCCCCCCACTCATGCTCTACAACCCCACCACGTACCAG

ATGGATGTGAACCCCGAGGGCAAATACAGCTTTGGT

GCCACCTGCGTGAAGAAGTGTCCCCGTAATTATGTGGTGACAGATCACGGCTCGTGC

GTCCGAGCCTGTGGGGCCGACAGCTATGAGATGGAGGAAGACGGCGTCCGCAAGTG

TAAGAAGTGCGAAGGGCCTTGCCGCAAAGTGTGTAAC

GGAATAGGTATTGGTGAATTTAAAGACTCACTCTCCATAAATGCTACGAATATTAAA

CACTTCAAAAACTGCACCTCCATCAGTGGCGATCTCCACATCCTGCCGGTGGCATTTA

GGGGTGACTCCTTCACACATACTCCTCCTCTGGAT

CCACAGGAACTGGATATTCTGAAAACCGTAAAGGAAATCACAGGGTTTTTGCTGATT

CAGGCTTGGCCTGAAAACAGGACGGACCTCCATGCCTTTGAGAACCTAGAAATCATA

CGCGGCAGGACCAAGCAACATGGTCAGTTTTCTCTT

GCAGTCGTCAGCCTGAACATAACATCCTTGGGATTACGCTCCCTCAAGGAGATAAGT

GATGGAGATGTGATAATTTCAGGAAACAAAAATTTGTGCTATGCAAATACAATAAAC

TGGAAAAAACTGTTTGGGACCTCCGGTCAGAAAACC

AAAATTATAAGCAACAGAGGTGAAAACAGCTGCAAGGCCACAGGCCAGGTCTGCCA

TGCCTTGTGCTCCCCCGAGGGCTGCTGGGGCCCGGAGCCCAGGGACTGCGTCTCTTG

CCGGAATGTCAGCCGAGGCAGGGAATGCGTGGACAAG

TGCAAGCTTCTGGAGGGTGAGCCAAGGGAGTTTGTGGAGAACTCTGAGTGCATACAG

TGCCACCCAGAGTGCCTGCCTCAGGCCATGAACATCACCTGCACAGGACGGGGACCAGACAAC

CCCCACTGCGTCAAGACCTGCCCGGCAGGAGTCATGGGAGAAAACAACACCCTGGTC

TGGAAGTACGCAGACGCCGGCCATGTGTGCCACCTGTGCCATCCAAACTGCACCTAC

GGATGCACTGGGCCAGGTCTTGAAGGCTGTCCAACG

AATGGGCCTAAGATCCCGTCCATCGCCACTGGGATGGTGGGGGCCCTCCTCTTGCTG

CTGGTGGTGGCCCTGGGGATCGGCCTCTTCATGCGAAGGCGCCACATCGTTCGGAAG

CGCACGCTGCGGAGGCTGCTGCAGGAGAGGGAGCTT

GTGGAGCCTCTTACACCCAGTGGAGAAGCTCCCAACCAAGCTCTCTTGAGGATCTTG

AAGGAAACTGAATTCAAAAAGATCAAAGTGCTGGGCTCCGGTGCGTTCGGCACGGTG

TATAAGGGACTCTGGATCCCAGAAGGTGAGAAAGTT

AAAATTCCCGTCGCTATCAAGGAATTAAGAGAAGCAACATCTCCGAAAGCCAACAAG

GAAATCCTCGATGAAGCCTACGTGATGGCCAGCGTGGACAACCCCCACGTGTGCCGC

CTGCTGGGCATCTGCCTCACCTCCACCGTGCAACTC

ATCACGCAGCTCATGCCCTTCGGCTGCCTCCTGGACTATGTCCGGGAACACAAAGAC

AATATTGGCTCCCAGTACCTGCTCAACTGGTGTGTGCAGATCGCAAAGGGCATGAAC

TACTTGGAGGACCGTCGCTTGGTGCACCGCGACCTG

GCAGCCAGGAACGTACTGGTGAAAACACCGCAGCATGTCAAGATCACAGATTTTGGG

CTGGCCAAACTGCTGGGTGCGGAAGAGAAAGAATACCATGCAGAAGGAGGCAAAGT

GCCTATCAAGTGGATGGCATTGGAATCAATTTTACAC

AGAATCTATACCCACCAGAGTGATGTCTGGAGCTACGGGGTGACCGTTTGGGAGTTG

ATGACCTTTGGATCCAAGCCATATGACGGAATCCCTGCCAGCGAGATCTCCTCCATCC

TGGAGAAAGGAGAACGCCTCCCTCAGCCACCCATA

TGTACCATCGATGTCTACATGATCATGGTCAAGTGCTGGATGATAGACGCAGATAGT

CGCCCAAAGTTCCGTGAGTTGATCATCGAATTCTCCAAAATGGCCCGAGACCCCCAG

CGCTACCTTGTCATTCAGGGGGATGAAAGAATGCAT

TTGCCAAGTCCTACAGACTCCAACTTCTACCGTGCCCTGATGGATGAAGAAGACATG

GACGACGTGGTGGATGCCGACGAGTACCTCATCCCACAGCAGGGCTTCTTCAGCAGC

CCCTCCACGTCACGGACTCCCCTCCTGAGCTCTCTG

AGTGCAACCAGCAACAATTCCACCGTGGCTTGCATTGATAGAAATGGGCTGCAAAGC

TGTCCCATCAAGGAAGACAGCTTCTTGCAGCGATACAGCTCAGACCCCACAGGCGCC

TTGACTGAGGACAGCATAGACGACACCTTCCTCCCA

GTGCCTGAATACATAAACCAGTCCGTTCCCAAAAGGCCCGCTGGCTCTGTGCAGAAT

CCTGTCTATCACAATCAGCCTCTGAACCCCGCGCCCAGCAGAGACCCACACTACCAGGACCCCC

CTCAACACTGTCCAGCCCACCTGTGTCAACAGCACATTCGACAGCCCTGCCCACTGG

GCCCAGAAAGGCAGCCACCAAATTAGCCTGGACAACCCTGACTACCAGCAGGACTTC

TTTCCCAAGGAAGCCAAGCCAAATGGCATCTTTAAG

GGCTCCACAGCTGAAAATGCAGAATACCTAAGGGTCGCGCCACAAAGCAGTGAATTT

ATTGGAGCATGACCACGGAGGATAGTATGAGCCCTAAAAATCCAGACTCTTTCGATA

CCCAGGACCAAGCCACAGCAGGTCCTCCATCCCAAC

AGCCATGCCCGCATTAGCTCTTAGACCCACAGACTGGTTTTGCAACGTTTACACCGAC

TAGCCAGGAAGTACTTCCACCTCGGGCACATTTTGGGAAGTTGCATTCCTTTGTCTTC

AAACTGTGAAGCATTTACAGAAACGCATCCAGCA

AGAATATTGTCCCTTTGAGCAGAAATTTATCTTTCAAAGAGGTATATTTGAAAAAAA

AAAAAAAAGTATATGTGAGGATTTTTATTGATTGGGGATCTTGGAGTTTTTCATTGTC

GCTATTGATTTTTACTTCAATGGGCTCTTCCAACA

AGGAAGAAGCTTGCTGGTAGCACTTGCTACCCTGAGTTCATCCAGGCCCAACTGTGA

GCAAGGAGCACAAGCCACAAGTCTTCCAGAGGATGCTTGATTCCAGTGGTTCTGCTT

CAAGGCTTCCACTGCAAAACACTAAAGATCCAAGAA

GGCCTTCATGGCCCCAGCAGGCCGGATCGGTACTGTATCAAGTCATGGCAGGTACAG

TAGGATAAGCCACTCTGTCCCTTCCTGGGCAAAGAAGAAACGGAGGGGATGAATTCT

TCCTTAGACTTACTTTTGTAAAAATGTCCCCACGGT

ACTTACTCCCCACTGATGGACCAGTGGTTTCCAGTCATGAGCGTTAGACTGACTTGTT

TGTCTTCCATTCCATTGTTTTGAAACTCAGTATGCCGCCCCTGTCTTGCTGTCATGAA

ATCAGCAAGAGAGGATGACACATCAAATAATAAC

TCGGATTCCAGCCCACATTGGATTCATCAGCATTTGGACCAATAGCCCACAGCTGAG

AATGTGGAATACCTAAGGATAACACCGCTTTTGTTCTCGCAAAAACGTATCTCCTAAT

TTGAGGCTCAGATGAAATGCATCAGGTCCTTTGGG

GCATAGATCAGAAGACTACAAAAATGAAGCTGCTCTGAAATCTCCTTTAGCCATCAC

CCCAACCCCCCAAAATTAGTTTGTGTTACTTATGGAAGATAGTTTTCTCCTTTTACTTC

ACTTCAAAAGCTTTTTACTCAAAGAGTATATGTT

CCCTCCAGGTCAGCTGCCCCCAAACCCCCTCCTTACGCTTTGTCACACAAAAAGTGTC

TCTGCCTTGAGTCATCTATTCAAGCACTTACAGCTCTGGCCACAACAGGGCATTTTAC

AGGTGCGAATGACAGTAGCATTATGAGTAGTGTG

AATTCAGGTAGTAAATATGAAACTAGGGTTTGAAATTGATAATGCTTTCACAACATTT

GCAGATGTTTTAGAAGGAAAAAAGTTCCTTCCTAAAATAATTTCTCTACAATTGGAAGATTGGA

Cancel'd

TCCTAATCTGTGTGTGCCCTGTAACCTGACTGGTTAACAGCAGTCCTTTGTAAACAGT

GTTTTAAACTCTCCTAGTCAATATCCACCCCATCCAATTTATCAAGGAAGAAATGGTT

CAGAAAATATTTTCAGCCTACAGTTATGTTCAGT

CACACACACATACAAAATGTTCCTTTTGCTTTTAAAGTAATTTTTGACTCCCAGATCA

GTCAGAGCCCCTACAGCATTGTTAAGAAAGTATTTGATTTTTGTCTCAATGAAAATAA

AACTATATTCATTTCC.--

On page 9, line 2, please delete "PE7" and substitute therefor --pE7--.

On page 9a, line 4, after "from" and before "pMAC117", please insert the following: --the 3' terminus of--.

On page 9a, line 1, please delete "Fig. 5" and substitute therefor --Fig. 5A--.

Please delete the following paragraph from page 22a and insert it on page 9a, at the end of the paragraph of the description of Fig. 5 and before the paragraph of the description of Fig. 6:

--Fig. 5B illustrates three probes, a, b and c, representing the 5' end, a middle portion and the entire coding region, respectively, which were employed in subsequent studies elucidating the role and function of this v-erbB-related gene.--

On page 9a, line 13, please delete "1B" and substitute therefor --5B--.

On page 9a, line 18, please delete "1B" and substitute therefor --5B--.

On page 9b, line 14, please delete "1B" and substitute therefor --5B--.

On page 9c, next to last line, please delete "to10^{3}" and substitute therefor --to 10^{3}--.

On page 9d, line 3, please delete "was" and substitute therefor --were--.

Please move Table 1, which constitutes the entire page 9c, to the end of the specification (between pages 35 and 36).

On page 11, line 4, please delete "was" and substitute therefor --were--.

On page 12, line 24, please delete "nirocellulose" and substitute therefor --nitrocellulose--.

On page 13, line 14, please delete "1A" and substitute therefor --2A--.

On page 13, line 15, please delete "1AB" and substitute therefor --2B--.

On page 14, line 2, please delete "Hi" and substitute therefor --HI--.

On page 15, line 16, please delete "(Fig. 2)" and substitute therefor --(Fig. 1)--.

On page 15, line 20, please delete "αP^{12}dXTP" and substitute therefor --α^{32}PdXTP--.

On page 17, line 1, please insert --λ-- before "MAC117".

On page 17, line 11, please delete "dithiothretol" and substitute therefor --dithiothreitol--.

On page 17, line 20, please delete "plaques" and substitute therefor --plates--.

On page 18, line 6, please delete "1" and substitute therefor --2--.

On page 18, line 7, please delete "Fig. 1" and substitute therefor --Fig. 2--.

On page 18, line 12, please delete the following: "To clone the 6-kbp fragment,".

On page 18, line 20, please delete "Figure 2" and substitute therefor --Figure 1--.

On page 18, line 26, please delete "Fig. 2" and substitute therefor --Fig. 1--.

On page 19, lines 8, 16 and 20, please delete "1A" and substitute therefor --2A--.

On page 19, line 12, please delete "sequmous" and substitute therefor --squamous--.

On page 19, line 16, please delete "frаments" and substitute therefor --fragments--.

On page 20, line 5, please delete "1B" and substitute therefor --2B--.

On page 20, line 8, please delete "1A" and substitute therefor --2A--.

On page 20, line 15, please delete "(Fig. 3)" and substitute therefor --(Fig. 1)--.

On page 20, line 24, please delete "Fig. 2" and substitute therefor --Fig. 1--.

On page 21, line 16, after "probe" and before "detected", please insert the following: --, consisting of the Bgl I to Bam HI restriction fragment of pMAC117,--

On page 22a, line 2 and lines 19-20, after "Kraus et al.," and before "1987", please insert the following: --*EMBO Journal* **6**:605-610,--.

On page 22a, line 4, after "from" and before "a", please insert the following: --the 3' terminus of--.

On page 22c, line 6, please delete "(Fig. 5)" and substitute therefor --(Figs. 5A,B)--.

On page 22c, line 9 and page 22d, line 16, after "DiFiore et al.," and before "1987", please insert the following: --*Science* **237**:178-182,--.

On page 22c, lines 22 and 26 and on page 22d, lines 8 and 12, please delete "Table I" and substitute therefor --Table 1--.

On page 24, line 2, please delete "Figures 1" and substitute therefor --Figures 2--.

On page 24, line 28, please delete "C" and substitute therefor --c--.

On page 26, line 16, please delete "sequence of claim 4" and substitute therefor --sequence:

GlyMetSerTyrLeuGluAspValArgLeuValHisArgAspLeuAlaAlaARgAsnValLeuValLysSerProAsn

HisValLysIleThrAspPheGlyLeuAlaArgLeuLeuAspIleAspGluThrGluTyrHisAlaAspGlyGlyLysVal

ProIleLysTrpMetAlaLeuGluSerIleLeuArgArgArgPheThrHisGlnSerAspValTrpSerTyrGly--.

On page 26, lines 17-18, please delete "nove. v-erbB-related gene in" and substitute therefor --novel v-erbB-related gene is--.

On page 27, line 2, please delete "Figures 1" and substitute therefor --Figures 2--.

On page 27, line 5, please delete "5A" and substitute therefor --5B--.

On page 27, line 12, after "amplification" and before "of", please insert the following: --or increased expression--.

On page 27, line 17, after "gene" and before "are", please insert the following: --or its mRNA transcript--.

On page 27, line 19, please delete "Figure 1" and substitute therefor --Figure 2--.

On page 28, line 6, please delete "form" and substitute therefor --from--.

On page 28, line 7, please delete "sequence of claim 4" and substitute therefor --

sequence:

GlyMetSerTyrLeuGluAspValArgLeuValHisArgAspLeuAlaAlaARgAsnValLeuValLysSerProAsn

HisValLysIleThrAspPheGlyLeuAlaArgLeuLeuAspIleAspGluThrGluTyrHisAlaAspGlyGlyLysVal

ProIleLysTrpMetAlaLeuGluSerIleLeuArgArgArgPheThrHisGlnSerAspValTrpSerTyrGly--.

On page 28, line 8, please delete "described in claim 1" and substitute therefor

--having the nucleotide sequence:

GTCTACATGGGTGCTTCCCATTCCAGGGGATGAGCTACCTGGAGGATGTGCGGCTCG

TACACAGGGACTTGGCCGCTCGGAACGTGCTGGTCAAGAGTCCCAACCATGTCAAAA

TTACAGACTTCGGGCTGGCTCGGCTGCTGGACATTGACGAGACAGAGTACCATGCAG

ATGGGGGCAAGGTTAGGTGAAGGACCAAGGAGCAGAGGAGGCTGGGTGGAGTGGTG

TCTAGCCCATGGGAGAACTCTGAGTGGCCACCTCCCCACAACACACAGTTGGAGGAC

TTCCTCTTCTGCCCTCCCAGGTGCCCATCAAGTGGATGGCGCTGGAGTCCATTCTCCG

CCGGCGGTTCACCCACCAGAGTGATGTGTGGAGTTATGGTGTGTGATGGGGGGTGTT

GGGAGGGGTGGGTGAGGAGCCATGG--.

On page 28, line 20, please delete "boservations" and substitute therefor

--observations--.

On page 28, line 25, after "Slamon et al.," and before "1987", please insert the following: --*Science* **235**:177-181,--.

On page 28, line 28, after "clinical", please insert --setting.--.

On page 29, line 10, please delete "Figure 1" and substitute therefor --Figure 2--.

On page 30, line 1, please delete "is" and substitute therefor --are--.

On page 30, line 16, please delete "Fig. 11" and substitute therefor --Fig. 10--.

On page 31, line 5, please delete "demonstated" and substitute therefor --demonstrated--.

On page 31, line 6, please delete "Figure 1" and substitute therefor --Figure 2--.

On page 31, line 17, please delete "has" and substitute therefor --have--.

On page 34, line 7, please delete "instrucitons" and substitute therefor --instructions--.

On page 35, lines 7-8, please delete "P^{32}" and substitute therefor --^{32}P--.